#504

Schlumberger

DIPMETER COMPUTED RESULT

MSD*

MEAN SQUARE DIP a pad-to-pad correlation

* A Mark of Schlumberger

Using the following logs: SHDT

Company:	NORTHWEST NATURAL GAS				
Well:	IW 23A-22-65				
Field:	MIST GAS STORAGE				
County	COLUMBIA				
State	OREGON				
Reference No:	42119	Run no.	TWO		
Date Logged:	27-SEP-1997	Date Processed:	2-OCT 1997		
Elevations:	KB: 596.50	DF:	NA	GL:	580.50
Permanent Datum:	0.00	Depth Units:	FEET		

FOLD HERE

The well name, location and borehole reference data were furnished by the customer.

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

FIELD RECORDING	Engineer	GREG PERR	Location	BAKERSFIELD	Cyberpack Version	32.2
COMPUTATION	Analyst	CHONG YC	Center	BKFCC	Baseline	20.6X5

DEFINITIONS OF COMPUTATION PARAMETERS

DECLI - magnetic declination (degrees)

MODE - mode for search correlation (focalization).

1. = hole axis

2. = fixed plane given by FOCDIP and FOCAZM.

3. = a file determined by FOCFIL is usedas the reference plane by zone.

DECIM - number of fast channels skipped.

CORINT - correlation interval (feet)

STEP - step in ratio of CORINT

SEARCH - search angle in degrees (if over 100 then a double search will be used)

example: 140. = 40 X 2

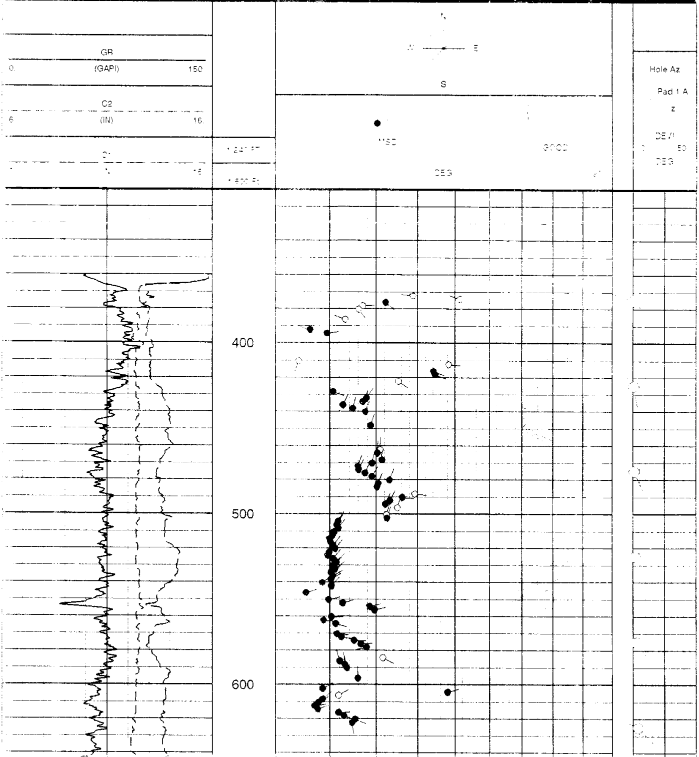
FOCDIP search correlation is focused on this fixed plane dip when MODE = 2

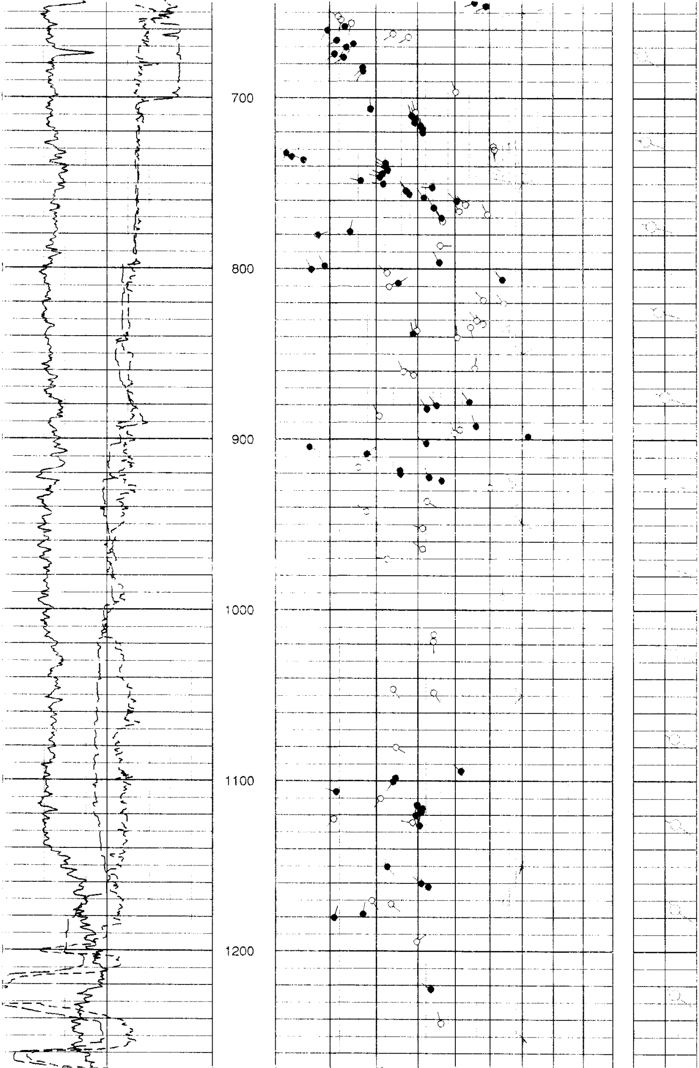
FOCAZM - search correlation is focused along this fixed plane azimuth when MODE = 2

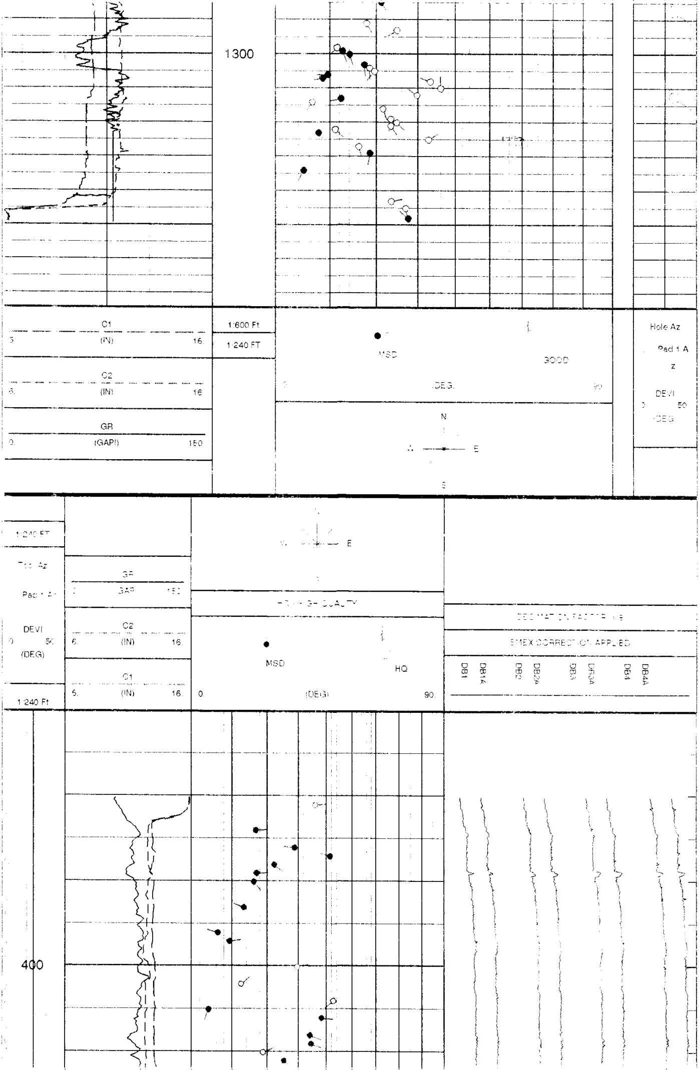
PSA - The solid angle used to make the Pooled plot

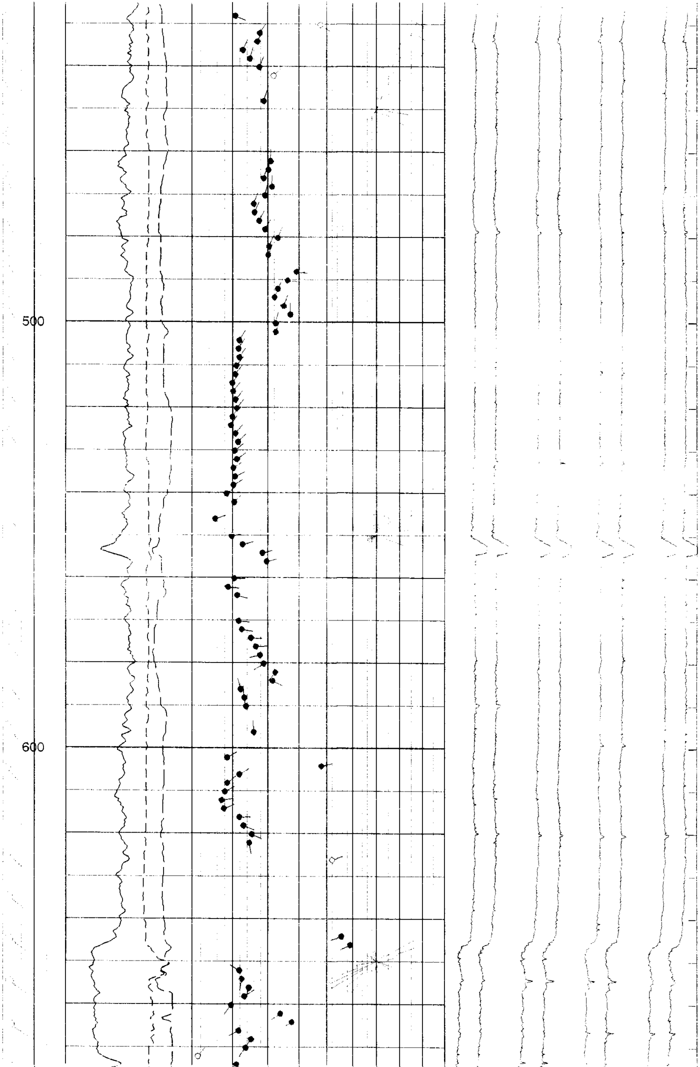
DEPTH INTERVAL		DECLI	MODE	DECIM	CORINT	STEP	SEARCH	FOCDIP	FOCAZM	PSA
START	STOP									
1400.00	360.00	19.5	2.00	1.00	4.00	.50	140.00	0.00	0.00	6.0

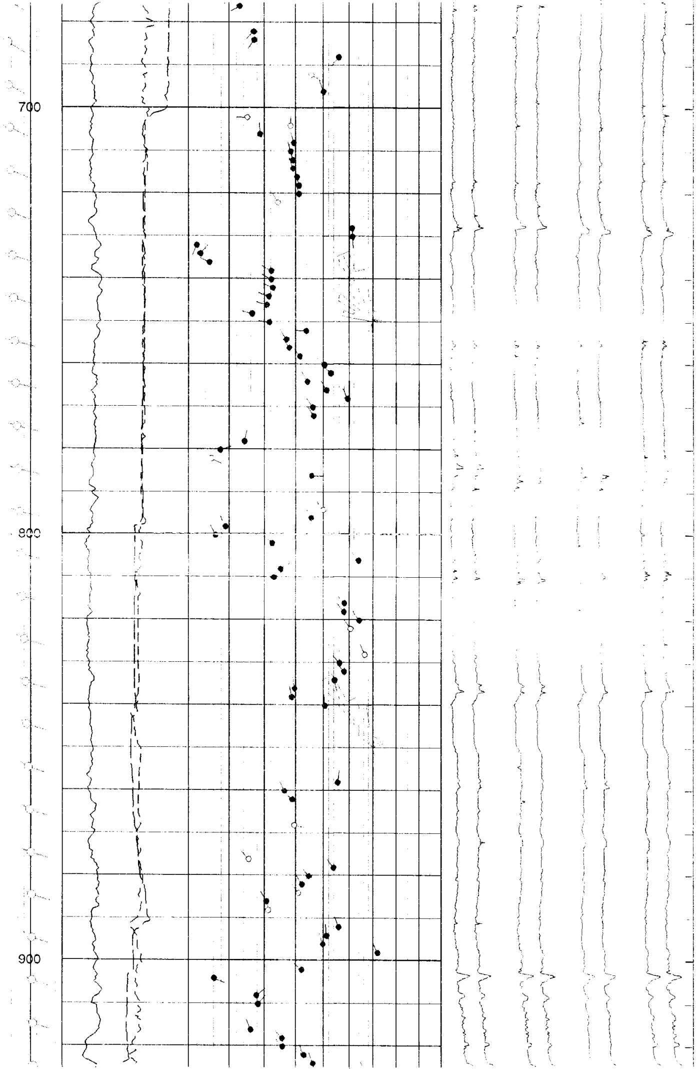
Remarks:

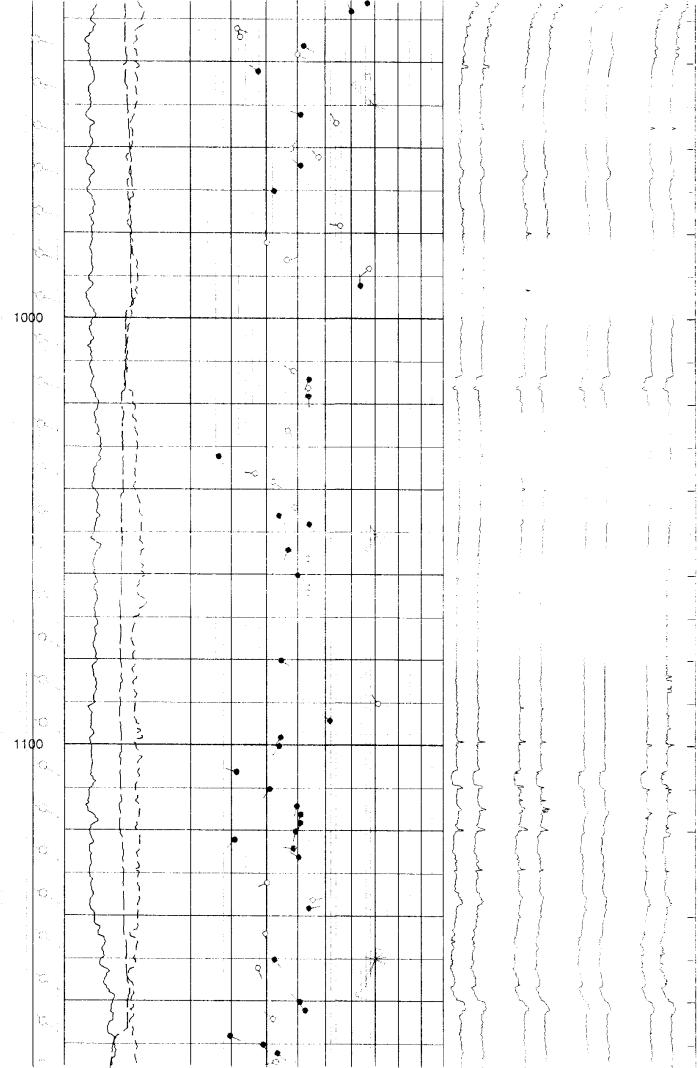


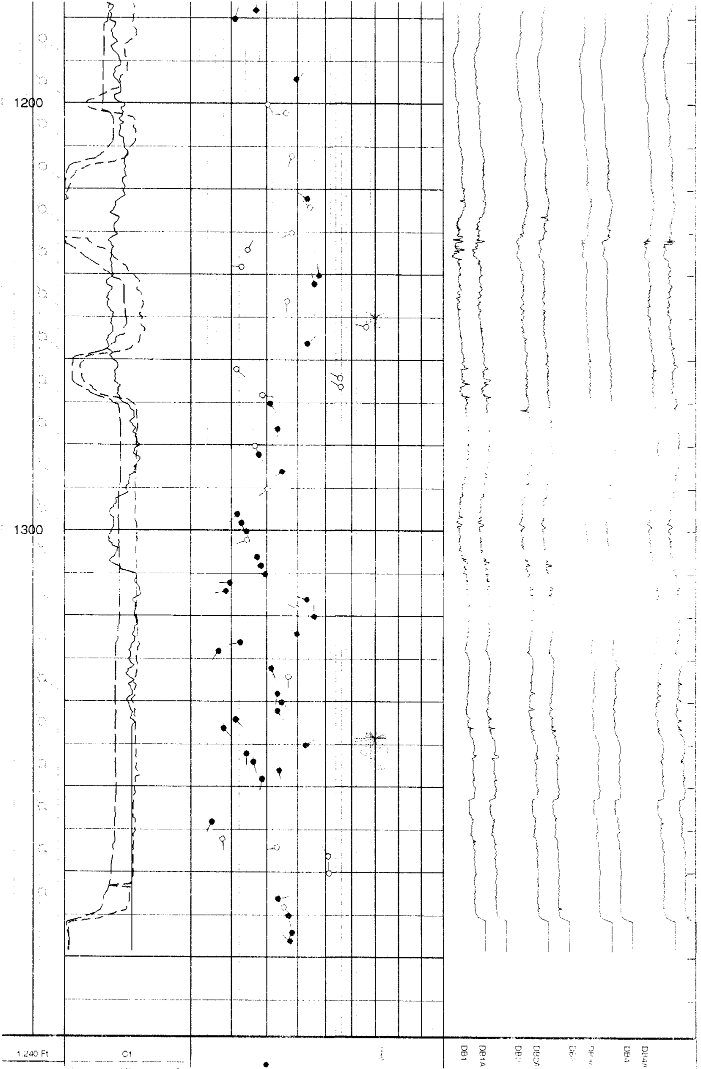


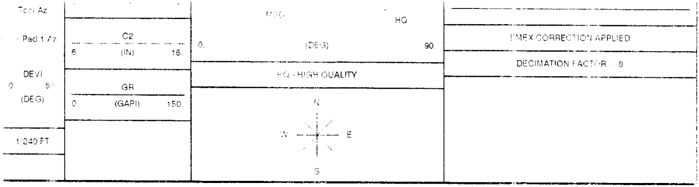












DIPMETER OUTPUT LISTING

COMPANY	:	NORTHWEST NATURAL GAS
WELL	:	IW 23A-22-65
FIELD	:	MIST GAS STORAGE
COUNTY	:	COLUMBIA
STATE	:	OREGON
COUNTRY	:	
REFERENCE	:	42119

DEPTH	FORM. DIP DEGR.	DIP AZIM. DEGR.	BORE. DEV. DEGR.	BORE. AZIM. DEGR.	PAD 1 AZIM. DEGR.	CALI 1-3 INCHES	CALI 2-4 INCHES	QUAL. INDEX BEST =20
362	36.1	84.0	0.5	0.0	4.0	15.50	15.50	10
368	16.7	85.0	0.6	170.0	329.0	12.90	12.60	11
372	28.8	277.0	0.4	0.0	320.0	12.90	12.50	14
374	41.4	288.0	0.2	0.0	43.0	12.80	12.50	13
376	22.2	129.0	0.2	0.0	95.0	12.90	12.70	16
378	17.0	86.0	0.3	0.0	29.0	12.90	12.50	12
380	16.1	142.0	0.5	178.0	333.0	12.80	12.70	14
386	13.2	291.0	0.6	168.0	327.0	12.90	12.50	15
392	6.3	288.0	0.6	169.0	325.0	12.90	12.40	16
394	9.4	81.0	0.6	169.0	324.0	12.90	12.40	19
400	29.6	77.0	0.6	173.0	330.0	13.10	12.50	10
404	12.5	52.0	0.6	173.0	328.0	13.10	12.50	8
408	42.7	231.0	0.6	166.0	324.0	13.10	12.40	5
410	4.1	202.0	0.6	166.0	324.0	13.10	12.30	12
412	38.2	97.0	0.6	168.0	323.0	13.10	12.40	15
416	34.1	111.0	0.6	169.0	324.0	13.00	12.30	20
418	34.6	112.0	0.6	169.0	324.0	13.00	12.30	20
420	18.8	66.0	0.6	168.0	324.0	13.10	12.40	9
422	25.3	124.0	0.6	168.0	325.0	13.20	12.40	15
428	10.7	114.0	0.6	170.0	322.0	13.60	12.40	16
430	37.8	123.0	0.6	171.0	322.0	13.60	12.40	8
432	17.8	34.0	0.6	171.0	323.0	13.70	12.40	17
434	17.0	28.0	0.6	171.0	322.0	13.70	12.40	20
436	12.8	27.0	0.6	171.0	322.0	13.80	12.50	20

438	14.8	17.0	0.6	171.0	322.0	13.90	12.50	20
440	17.6	24.0	0.6	171.0	321.0	13.90	12.50	16
442	21.8	44.0	0.6	171.0	322.0	14.00	12.50	7
448	18.8	19.0	0.7	168.0	322.0	14.00	12.40	16
462	20.9	2.0	0.9	158.0	324.0	13.90	12.60	14
464	20.3	4.0	0.9	157.0	324.0	13.80	12.50	20
466	18.7	19.0	1.0	156.0	324.0	13.60	12.50	11
468	21.3	2.0	1.0	156.0	323.0	13.60	12.50	17
470	19.1	14.0	1.0	155.0	322.0	13.50	12.50	20
472	15.9	22.0	1.0	155.0	322.0	13.40	12.50	18
474	16.1	25.0	1.1	154.0	321.0	13.40	12.50	20
476	17.5	28.0	1.1	153.0	321.0	13.30	12.50	20
478	19.1	32.0	1.2	153.0	320.0	13.40	12.50	18
480	23.1	24.0	1.2	152.0	319.0	13.40	12.50	20
482	20.4	24.0	1.3	151.0	319.0	13.50	12.40	17
484	20.2	24.0	1.3	151.0	319.0	13.40	12.40	17
488	29.2	97.0	1.4	150.0	318.0	13.50	12.40	14
490	26.2	96.0	1.5	151.0	319.0	13.60	12.40	16
492	23.2	29.0	1.5	151.0	319.0	13.60	12.40	17
494	22.1	27.0	1.5	151.0	319.0	13.60	12.40	16
496	25.0	21.0	1.6	152.0	318.0	13.60	12.40	14
498	27.3	0.0	1.6	152.0	317.0	13.60	12.40	11
500	22.4	18.0	1.6	152.0	317.0	13.90	12.40	14
502	22.5	21.0	1.7	152.0	317.0	13.70	12.40	20
504	11.7	33.0	1.7	151.0	317.0	13.90	12.50	20
506	11.5	33.0	1.7	150.0	316.0	13.70	12.40	20
508	11.8	37.0	1.7	149.0	316.0	13.70	12.40	20
510	10.9	39.0	1.7	149.0	316.0	13.70	12.40	19
512	10.6	40.0	1.7	149.0	316.0	13.70	12.40	19
514	9.9	38.0	1.8	148.0	317.0	13.80	12.40	20
516	10.2	38.0	1.8	148.0	317.0	13.90	12.40	20
518	10.7	39.0	1.8	147.0	316.0	14.00	12.40	20
520	11.1	40.0	1.8	147.0	316.0	14.30	12.40	20
522	9.9	37.0	1.9	146.0	317.0	14.30	12.40	20
524	9.6	35.0	1.9	145.0	317.0	14.40	12.40	20
526	10.7	40.0	1.9	145.0	316.0	14.40	12.40	20
528	11.4	45.0	2.0	145.0	316.0	14.30	12.30	20
530	10.5	51.0	2.0	145.0	316.0	14.30	12.40	20
532	11.1	53.0	2.0	145.0	317.0	14.30	12.40	20
534	10.3	55.0	2.1	145.0	318.0	14.30	12.50	18
536	10.6	63.0	2.1	145.0	317.0	14.30	12.50	20
538	10.3	60.0	2.1	144.0	316.0	14.10	12.50	20
540	8.5	52.0	2.2	143.0	314.0	14.00	12.50	18
542	10.4	44.0	2.2	142.0	313.0	13.80	12.50	16
546	5.5	71.0	2.3	142.0	313.0	13.40	12.50	16
550	9.8	77.0	2.4	142.0	313.0	13.30	12.50	20
552	12.7	74.0	2.4	142.0	313.0	13.10	12.50	20
554	18.5	75.0	2.5	142.0	313.0	13.40	12.50	20
556	19.6	76.0	2.5	142.0	313.0	13.20	12.50	20
560	10.4	93.0	2.6	143.0	311.0	13.70	12.40	18
562	8.8	96.0	2.6	143.0	311.0	13.80	12.50	19
564	11.2	107.0	2.7	143.0	312.0	13.50	12.40	20
570	11.5	96.0	2.9	144.0	315.0	13.10	12.50	18
572	12.4	100.0	2.9	144.0	315.0	13.10	12.50	20
574	15.1	90.0	3.0	144.0	315.0	13.00	12.50	20
576	16.5	85.0	3.0	144.0	315.0	12.90	12.50	20
578	17.8	258.0	3.0	144.0	315.0	13.00	12.50	16
580	18.8	238.0	3.1	144.0	315.0	13.00	12.50	11
582	22.4	220.0	3.1	143.0	314.0	13.20	12.50	11
584	21.5	117.0	3.2	143.0	313.0	13.30	12.50	14
586	12.1	344.0	3.2	142.0	313.0	13.40	12.40	17
588	13.1	353.0	3.2	142.0	312.0	13.50	12.40	18
590	13.6	347.0	3.2	141.0	311.0	13.70	12.50	19
596	15.9	356.0	3.3	139.0	308.0	13.80	12.40	18
602	8.6	60.0	3.4	137.0	303.0	13.70	12.40	20
604	37.9	74.0	3.5	137.0	302.0	13.80	12.40	16
606	11.8	60.0	3.5	137.0	302.0	13.80	12.40	15
608	8.6	50.0	3.6	137.0	301.0	13.70	12.40	20
610	7.9	61.0	3.6	137.0	300.0	13.70	12.30	20
612	7.1	81.0	3.7	136.0	300.0	13.70	12.40	20
614	7.7	69.0	3.7	136.0	298.0	13.70	12.30	16
616	11.8	88.0	3.8	135.0	297.0	13.60	12.40	20
618	12.9	112.0	3.9	135.0	296.0	13.60	12.30	20
620	15.3	113.0	3.9	134.0	295.0	13.60	12.30	20
622	14.6	170.0	4.0	134.0	296.0	13.60	12.20	16
626	42.0	70.0	4.2	133.0	296.0	13.70	12.20	9

644	45.5	251.0	5.2	127.0	297.0	14.00	12.40	16
646	48.9	245.0	5.3	126.0	298.0	13.90	12.70	17
652	11.8	300.0	5.6	124.0	294.0	13.60	13.30	15
654	12.4	190.0	5.7	124.0	293.0	13.40	13.00	15
656	14.5	195.0	5.8	124.0	294.0	13.80	12.60	13
658	13.2	57.0	6.0	124.0	296.0	13.80	12.70	16
660	9.6	216.0	6.1	124.0	296.0	14.40	12.80	19
662	24.0	237.0	6.2	123.0	294.0	14.40	12.90	15
664	27.6	241.0	6.3	123.0	293.0	14.30	12.80	12
666	11.5	243.0	6.4	123.0	294.0	14.40	12.80	20
668	15.0	213.0	6.5	123.0	295.0	14.30	12.60	16
670	13.5	216.0	6.6	123.0	296.0	14.40	12.60	20
672	1.4	42.0	6.7	123.0	295.0	14.40	12.50	7
674	11.0	236.0	6.8	122.0	295.0	14.40	12.40	16
676	12.9	241.0	6.9	122.0	296.0	14.40	12.60	16
682	17.0	225.0	7.2	121.0	297.0	14.40	13.00	17
684	17.1	216.0	7.3	121.0	297.0	14.40	12.70	20
688	46.1	221.0	7.5	120.0	297.0	14.40	12.60	11
692	35.8	125.0	7.7	119.0	295.0	14.40	12.50	6
696	40.2	339.0	7.9	118.0	294.0	14.40	12.40	12
702	15.1	273.0	8.3	116.0	291.0	13.30	12.70	10
704	28.4	5.0	8.5	115.0	289.0	12.60	12.70	8
706	18.8	355.0	8.6	114.0	286.0	12.40	12.50	16
708	29.5	342.0	8.7	114.0	284.0	12.50	12.50	14
710	28.5	341.0	8.9	113.0	282.0	12.40	12.60	20
712	29.2	344.0	9.0	112.0	282.0	12.60	12.60	20
714	29.2	340.0	9.2	112.0	282.0	12.50	12.60	20
716	30.7	346.0	9.3	111.0	282.0	12.50	12.60	20
718	31.3	345.0	9.5	111.0	282.0	12.40	12.50	20
720	31.3	343.0	9.7	111.0	284.0	12.50	12.50	20
722	24.3	329.0	9.8	110.0	285.0	12.40	12.50	9
728	51.2	174.0	10.3	109.0	283.0	12.50	12.50	14
730	51.4	175.0	10.4	108.0	283.0	12.40	12.40	13
732	1.9	204.0	10.6	108.0	284.0	12.50	12.40	16
734	2.8	43.0	10.8	108.0	284.0	12.50	12.30	20
736	5.0	295.0	10.9	107.0	285.0	12.40	12.30	17
738	22.2	298.0	11.1	107.0	285.0	12.50	12.30	20
740	22.2	298.0	11.2	107.0	284.0	12.40	12.40	20
742	22.7	295.0	11.4	106.0	283.0	12.50	12.40	18
744	21.4	289.0	11.6	106.0	283.0	12.50	12.50	20
746	20.8	287.0	11.7	106.0	283.0	12.50	12.50	20
748	16.5	283.0	11.9	105.0	282.0	12.50	12.40	20
750	21.6	278.0	12.0	105.0	282.0	12.50	12.40	20
752	33.8	275.0	12.2	105.0	282.0	12.50	12.40	17
754	27.1	327.0	12.4	105.0	283.0	12.50	12.40	20
756	27.9	324.0	12.6	104.0	283.0	12.40	12.40	20
758	31.6	322.0	12.8	104.0	282.0	12.40	12.30	18
760	40.5	313.0	13.0	104.0	282.0	12.40	12.40	16
762	42.9	315.0	13.2	104.0	283.0	12.40	12.40	14
764	34.3	328.0	13.4	104.0	284.0	12.40	12.40	16
766	41.2	329.0	13.6	104.0	284.0	12.40	12.40	14
768	49.4	333.0	13.8	104.0	284.0	12.40	12.50	15
770	36.2	324.0	14.0	103.0	284.0	12.40	12.50	20
772	36.5	326.0	14.2	103.0	285.0	12.30	12.40	14
778	14.2	13.0	14.8	103.0	286.0	12.30	12.40	16
780	7.7	71.0	15.0	103.0	286.0	12.30	12.30	16
782	5.5	118.0	15.2	103.0	285.0	12.30	12.40	10
786	35.8	92.0	15.7	103.0	285.0	12.30	12.30	14
794	40.0	321.0	16.6	104.0	290.0	12.40	12.30	7
796	35.6	331.0	16.8	104.0	291.0	12.10	12.30	16
798	9.0	331.0	17.0	104.0	293.0	12.10	12.30	17
800	6.5	332.0	17.2	104.0	296.0	11.70	12.30	17
802	22.5	312.0	17.4	104.0	299.0	11.70	12.30	15

806	53.8	318.0	17.8	105.0	298.0	11.70	12.20	16
808	25.2	57.0	18.0	105.0	297.0	11.70	12.10	16
810	23.0	54.0	18.2	105.0	298.0	11.80	12.00	14
816	48.3	315.0	18.9	105.0	299.0	11.80	12.10	11
818	48.1	317.0	19.1	105.0	300.0	11.70	12.00	15
820	54.2	323.0	19.3	105.0	299.0	11.70	12.00	12
822	50.5	324.0	19.5	105.0	297.0	11.70	12.00	8
828	56.5	335.0	20.2	106.0	301.0	11.70	12.00	10
830	46.2	319.0	20.4	106.0	301.0	11.70	12.00	13
832	48.0	319.0	20.6	106.0	300.0	11.70	12.00	15
834	44.3	167.0	20.8	106.0	301.0	11.70	12.00	14
836	29.8	350.0	21.1	107.0	300.0	11.70	11.90	15
838	28.8	347.0	21.3	107.0	301.0	11.80	11.90	16
840	40.6	353.0	21.5	107.0	304.0	11.90	11.60	14
858	45.5	9.0	23.5	108.0	299.0	11.50	12.10	13
860	26.4	334.0	23.6	107.0	298.0	11.60	12.00	14
862	28.9	308.0	23.8	107.0	297.0	11.60	12.00	13
868	29.6	102.0	24.3	107.0	296.0	11.70	12.00	6
876	15.4	316.0	24.9	107.0	291.0	12.00	12.20	10
878	44.0	322.0	25.1	107.0	292.0	12.10	12.20	16
880	34.8	321.0	25.2	107.0	292.0	12.30	12.30	16
882	32.4	326.0	25.4	107.0	293.0	12.40	12.20	19
884	31.1	320.0	25.5	107.0	298.0	12.50	12.30	8
886	20.6	330.0	25.6	107.0	301.0	12.60	12.10	12
888	21.2	3.0	25.7	107.0	304.0	12.70	12.00	8
892	45.9	338.0	25.8	107.0	307.0	12.20	11.80	17
894	41.3	353.0	25.8	107.0	303.0	11.90	11.70	14
896	39.8	340.0	25.8	107.0	300.0	11.60	12.00	14
898	61.8	334.0	25.9	107.0	301.0	11.60	12.10	16
902	32.2	308.0	26.0	107.0	300.0	11.40	12.00	16
904	6.1	114.0	26.1	107.0	297.0	11.40	11.90	16
908	17.8	52.0	26.2	107.0	299.0	11.10	12.00	20
910	18.3	41.0	26.3	107.0	302.0	11.10	11.90	14
916	16.0	337.0	26.6	106.0	292.0	11.10	12.10	12
918	25.6	318.0	26.7	106.0	292.0	11.10	11.90	20
920	25.7	318.0	26.7	106.0	295.0	11.20	11.60	20
922	32.9	335.0	26.8	106.0	295.0	11.00	11.70	20
924	36.2	339.0	27.0	106.0	294.0	11.00	11.60	20
926	56.8	331.0	27.1	106.0	294.0	10.80	12.10	14
928	50.2	332.0	27.2	106.0	295.0	10.80	12.00	13
932	11.6	111.0	27.5	105.0	298.0	10.80	11.90	9
934	12.5	344.0	27.6	106.0	300.0	10.80	11.60	7
936	32.4	122.0	27.8	106.0	301.0	10.80	11.70	13
938	30.2	116.0	27.9	105.0	299.0	10.90	11.60	9
942	17.7	305.0	28.2	106.0	307.0	10.90	11.70	14
952	31.2	289.0	28.9	106.0	306.0	11.00	11.40	13
954	44.3	329.0	29.0	106.0	304.0	11.10	11.50	4
960	28.0	37.0	29.4	106.0	296.0	11.20	11.10	10
962	37.6	315.0	29.5	106.0	297.0	11.20	11.30	10
964	31.2	305.0	29.6	107.0	299.0	11.30	11.00	12
970	22.5	279.0	29.8	107.0	303.0	11.30	11.00	15
978	45.7	281.0	30.3	108.0	305.0	11.30	11.20	4
982	20.2	352.0	30.4	108.0	303.0	11.30	11.30	10
986	26.5	76.0	30.4	108.0	302.0	11.20	11.60	10
988	57.4	230.0	30.4	108.0	302.0	11.20	11.70	9
992	53.9	354.0	30.5	108.0	299.0	11.30	11.80	15
1012	28.7	298.0	31.0	109.0	302.0	10.80	10.90	9
1014	34.2	204.0	31.1	109.0	305.0	10.80	10.90	14
1016	33.9	200.0	31.2	110.0	304.0	10.60	11.10	10
1018	34.0	176.0	31.2	110.0	300.0	10.70	11.20	12

1026	26.8	138.0	31.5	111.0	304.0	10.60	11.70	7
1032	6.8	152.0	31.7	112.0	305.0	10.60	11.70	11
1036	16.7	276.0	31.9	112.0	309.0	10.60	11.60	10
1038	22.1	127.0	31.9	113.0	311.0	10.60	11.60	7
1044	29.0	172.0	31.9	113.0	310.0	10.50	12.00	8
1046	23.9	143.0	32.0	114.0	309.0	10.50	12.00	12
1048	34.2	145.0	32.0	114.0	311.0	10.50	12.10	15
1054	27.0	201.0	32.1	115.0	316.0	10.50	12.00	11
1056	33.7	180.0	32.1	115.0	314.0	10.50	12.20	10
1060	30.0	126.0	32.2	116.0	308.0	10.50	12.10	11
1064	33.7	13.0	32.3	116.0	299.0	10.40	12.20	10
1080	24.6	121.0	32.6	119.0	297.0	10.40	11.40	13
1090	61.1	324.0	32.8	120.0	289.0	10.30	11.60	9
1094	41.7	310.0	32.8	120.0	288.0	10.40	11.70	16
1098	24.5	215.0	33.0	121.0	293.0	10.40	11.80	20
1100	23.9	215.0	33.0	121.0	293.0	10.40	12.10	20
1106	11.3	288.0	33.0	122.0	291.0	10.40	11.70	18
1110	20.9	214.0	33.1	122.0	283.0	10.40	11.70	14
1114	29.8	196.0	33.1	122.0	286.0	10.40	11.80	19
1116	31.1	196.0	33.1	122.0	289.0	10.30	11.80	16
1118	30.9	195.0	33.1	122.0	289.0	10.40	11.90	19
1120	29.4	195.0	33.1	122.0	286.0	10.40	11.80	19
1122	10.8	224.0	33.1	122.0	284.0	10.50	11.90	14
1124	28.6	279.0	33.1	123.0	289.0	10.60	11.90	12
1126	30.4	301.0	33.1	123.0	297.0	10.60	11.90	18
1132	20.2	246.0	33.1	123.0	297.0	10.60	11.90	7
1136	35.3	80.0	33.0	123.0	294.0	10.70	11.80	8
1138	34.0	80.0	33.0	123.0	298.0	10.70	11.80	11
1144	19.6	170.0	33.0	123.0	309.0	10.80	11.80	10
1150	22.5	141.0	33.0	123.0	310.0	10.90	11.40	16
1152	17.5	159.0	32.9	123.0	310.0	10.90	11.30	8
1160	30.8	311.0	33.0	123.0	309.0	11.00	11.50	20
1162	32.7	317.0	32.9	123.0	311.0	11.00	11.20	19
1164	22.0	309.0	32.9	124.0	313.0	11.00	11.40	9
1168	9.7	114.0	32.8	124.0	319.0	10.40	11.60	11
1170	19.0	146.0	32.7	124.0	319.0	9.90	11.50	13
1172	23.4	129.0	32.7	124.0	317.0	9.80	11.70	14
1174	22.9	254.0	32.6	124.0	318.0	9.70	11.50	6
1176	28.8	11.0	32.6	124.0	316.0	9.60	11.60	7
1178	17.0	10.0	32.6	124.0	312.0	9.50	11.50	16
1180	10.9	18.0	32.6	124.0	311.0	9.30	11.60	16
1194	29.7	52.0	32.6	124.0	312.0	9.00	10.60	13
1200	20.4	148.0	32.7	124.0	308.0	9.40	9.50	10
1202	26.2	262.0	32.7	123.0	307.0	9.40	9.70	8
1212	28.1	201.0	32.7	123.0	297.0	8.00	9.60	6
1222	33.4	303.0	32.3	123.0	305.0	5.70	5.80	20
1224	34.5	313.0	32.3	123.0	307.0	5.80	5.80	9
1230	27.9	245.0	32.3	123.0	308.0	5.70	6.60	10
1234	14.5	32.0	32.3	123.0	311.0	6.90	9.00	7
1238	12.7	277.0	32.3	123.0	312.0	8.80	10.80	10
1240	37.6	351.0	32.3	123.0	312.0	9.80	11.40	11
1242	36.0	344.0	32.3	123.0	318.0	10.20	11.80	12

DEPTH	FORM. DIP DEGR.	DIP AZIM. DEGR.	BORE. DEVI. DEGR.	BORE. AZIM. DEGR.	PAD 1 AZIM. DEGR.	CALI. 1-3 INCHES	CALI. 2-4 INCHES	QUAL. INDEX BEST =20
1246	26.6	181.0	32.3	123.0	323.0	10.70	12.10	10
1252	56.0	284.0	32.3	123.0	323.0	10.60	12.10	10
1256	33.4	48.0	32.3	123.0	329.0	9.40	11.00	11
1262	11.3	132.0	32.1	123.0	328.0	6.60	7.40	6
1264	45.5	298.0	32.0	123.0	328.0	7.00	7.70	5
1266	45.7	302.0	32.0	124.0	328.0	7.50	8.20	8
1268	18.8	101.0	32.0	123.0	328.0	8.80	9.80	7
1270	21.1	144.0	32.1	123.0	330.0	9.40	10.40	16
1276	23.4	183.0	32.0	123.0	332.0	10.40	11.70	11
1280	16.6	151.0	32.0	123.0	332.0	10.40	11.70	9
1282	17.8	150.0	32.1	123.0	332.0	10.40	11.70	12
1286	24.9	239.0	32.1	123.0	332.0	10.40	11.60	15
1290	20.3	230.0	32.1	123.0	331.0	10.30	11.60	9
1296	11.5	226.0	32.0	123.0	330.0	10.30	11.60	14
1298	12.7	158.0	32.0	123.0	328.0	10.30	11.60	17
1300	14.1	161.0	32.1	123.0	327.0	10.30	11.70	16
1302	14.2	250.0	32.1	123.0	328.0	10.30	11.60	9
1306	17.3	174.0	32.1	123.0	330.0	10.30	11.60	17
1308	18.5	178.0	32.1	123.0	329.0	10.30	11.70	14
1310	19.6	220.0	32.1	123.0	328.0	10.30	11.70	12
1312	9.6	273.0	32.1	123.0	328.0	10.30	11.70	20
1314	8.6	260.0	32.1	123.0	328.0	10.30	11.70	20
1316	33.3	290.0	32.1	123.0	328.0	10.30	11.60	13
1318	29.7	295.0	32.1	123.0	327.0	10.30	11.70	6
1320	36.0	355.0	32.1	123.0	329.0	10.30	11.60	14
1324	29.8	306.0	32.1	123.0	329.0	10.10	11.80	13
1326	12.3	259.0	32.1	123.0	328.0	10.10	11.80	16
1328	6.7	216.0	32.1	123.0	327.0	10.10	11.80	14
1332	21.5	158.0	32.0	123.0	324.0	10.00	11.60	15
1334	27.0	183.0	32.0	123.0	324.0	10.00	11.70	8
1338	23.4	190.0	32.0	123.0	324.0	10.00	11.50	14
1340	24.8	133.0	32.0	123.0	323.0	10.00	11.50	12
1342	23.4	146.0	32.0	123.0	320.0	10.00	11.50	12
1344	11.1	134.0	32.0	123.0	319.0	10.00	11.50	15
1346	7.9	138.0	32.0	123.0	322.0	10.00	11.60	16
1350	32.8	57.0	32.0	123.0	324.0	10.00	11.60	14
1352	14.1	177.0	32.0	123.0	324.0	10.00	11.60	11
1354	16.1	163.0	32.0	123.0	326.0	10.00	11.70	13
1356	24.0	169.0	32.0	123.0	327.0	10.00	11.60	11
1358	18.6	191.0	32.0	123.0	325.0	10.00	11.60	16
1368	5.0	208.0	32.0	123.0	324.0	10.00	11.50	16
1372	7.6	171.0	31.9	123.0	322.0	9.90	11.50	6
1374	23.1	258.0	31.9	123.0	319.0	9.90	11.40	6
1376	40.9	329.0	31.9	123.0	319.0	9.70	11.40	10
1380	41.3	0.0	31.9	123.0	320.0	9.60	11.30	10
1386	23.5	78.0	31.8	123.0	320.0	9.10	11.00	13
1388	25.5	136.0	31.8	123.0	321.0	8.30	10.10	10
1390	27.0	167.0	31.8	123.0	322.0	7.50	8.60	15
1394	28.1	209.0	31.8	123.0	322.0	6.20	6.30	11
1396	27.5	310.0	31.6	123.0	322.0	6.30	6.20	16